

MATERIAL SAFETY DATA SHEET

(R) 10/13/86

CODE 13112

SECTION 1

Manufacture's Name MacDermid Incorporated	EMERGENCY TELEPHONE 203-575-5700
ADDRESS (Number, Street, City, State, Zip Code) 526 Huntingdon Avenue Waterbury, CT. 06720	MFSA EMERGENCY 24 HOUR HOTLINE: (313) - 644 - 5626
CFR-49 - DOT Proper Shipping Name Non Hazardous	
CHEMICAL NAME AND SYNONYMS <div style="text-align: center;">N/A</div>	TRADE NAME AND SYNONYMS NiMac 12-A Wetter
CHEMICAL FAMILY Surface active agent	FORMULA Mixture

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVE & SOLVENTS	%	TLV (UNITS)	ALLOYS & METALLIC COATINGS	%	TLV (UNITS)
PIGMENTS	N/A		BASE METAL	N/A	
CATALYST	"		ALLOYS	"	
VEHICLE	"		METALLIC COATINGS	"	
SOLVENTS	"		FILLER METAL PLUS OR CORE FLUX	"	
ADDITIVES	"		OTHERS	"	
OTHERS	"				

HAZARDOUS MIXTURES OR OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (UNITS)
N/A		

SECTION III - PHYSICAL DATA

BOILING POINT (F)	Appr. 212	SPECIFIC GRAVITY (H ₂ O = 1)	1.014
VAPOR PRESSURE (MM. HG.)	Aqueous	PERCENT VOLATILE BY VOLUME (%)	--
VAPOR DENSITY (AIR = 1)	N/A	EVAPORATION RATE (= 1)	--
SOLUBILITY IN WATER	Complete		

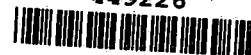
APPEARANCE AND ODOR

Clear, pale yellow to colorless liquid, mild odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED) Non-flammable	FLAMMABLE LIMITS N/A	LEL	UEL
EXTINGUISHING MEDIA N/A			
SPECIAL FIRE FIGHTING PROCEDURES None			
UNUSUAL FIRE AND EXPLOSION HAZARDS None			

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SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

Not established for product. Acute Oral Toxicity (LK ₅₀ rats) = 1.82g/kg

EFFECTS OF OVEREXPOSURE-UNLESS OTHERWISE STATED, CHRONIC OR LONG-TERM HEALTH EFFECTS UNKNOWN
Possible slight irritation to eyes.

EMERGENCY AND FIRST AID PROCEDURES

Eyes: Wash with water for 15 minutes. Contact physician if irritation persists.

Skin: Wash with water.

Internal: Give water. Contact physician.

SECTION VI - REACTIVITY DATA

UNSTABLE

CONDITIONS TO AVOID

STABLE

N/A

X

INCOMPATIBILITY (MATERIALS TO AVOID)

No specific incompatibilities.

HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of carbon and sulfur on burning.

HAZARDOUS POLYMERIZATION

CONDITIONS TO AVOID

MAY OCCUR

N/A

WILL NOT OCCUR

X

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED-WEAR PROTECTIVE CLOTHING, NEVER DISCHARGE DIRECTLY INTO SEWER OR WATERWAYS.

Flush to chemical drain with water.

WASTE DISPOSAL METHOD - ALWAYS CHECK AND COMPLY WITH GOVERNMENT DISPOSAL REGULATIONS.

Flush to sewer with water. Consult local, state or federal regulations for disposal of detergent materials. Material may also be incinerated.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE)

Not normally required if area well ventilated

VENTILATION

LOCAL EXHAUST

N/A

SPECIAL

N/A

MECHANICAL (GENERAL)

X

OTHER

N/A

PROTECTIVE GLOVES

Rubber or plastic

EYE PROTECTION

Safety glasses

OTHER PROTECTIVE EQUIPMENT

Protective clothing

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep in closed containers in a cool dry area. Avoid local overheating.

OTHER PRECAUTIONS - AVOID EYE AND SKIN CONTACT - ALWAYS WASH CLOTHING BEFORE RE-USE.

Unknown

PREPARED BY: Cherrie D. Gillis

DATE: 10/13/86

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